

SYSTEMS AND METHODS FOR ANALYZING AN  
ABNORMALITY OF AN OBJECT

ABSTRACT OF THE DISCLOSURE

In one embodiment, a method for analyzing at least one abnormality of an object is described. The method includes obtaining a first image containing an abnormality using a first modality, obtaining a second image containing the abnormality using a second modality, selecting a first region of interest located within the first image, determining an anatomical size of the abnormality based on the first region of interest in the first image, and determining a relative metabolic activity based on a second region of interest within the second image.